

#### TRAINING LOCATIONS

**Synergis EduCast**  
Virtual  
Online

**Quakertown**  
18 South 5th Street  
Quakertown, PA 18951



## Autodesk Inventor Dynamic Simulation/Stress Analysis

**Course Description:** This course teaches the fundamental principles and recommended workflows for analyzing designs and creating dynamic simulations of mechanisms using Autodesk Inventor Professional. It covers how to validate digital prototypes by simulating the operation of mechanisms, and how to analyze parts and assemblies, perform parametric studies, and use modal analysis.

**Prerequisites:** Completion of Autodesk Inventor Essentials training or equivalent Inventor experience

Length:	2 days
Times:	8:30 AM - 4:30 PM
PDH Credit Hours:	13 hours

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## Representative Topics

- Overview of Dynamic Simulation
- Environmental constraints
- Creating loads and constraints
- Parametric design studies
- Overview of Stress Analysis
- Running simulations and analyzing results
- Sharing Dynamic Simulation results with Stress Analysis
- Assembly level analysis